



Australian Bureau of Statistics

CensusAtSchool Australia

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Resources

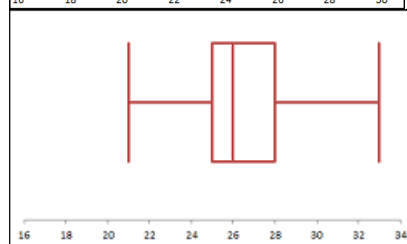
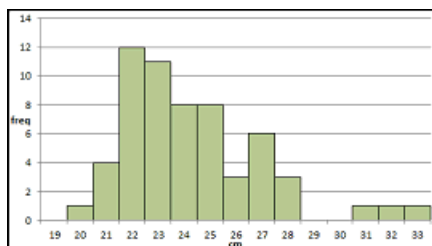
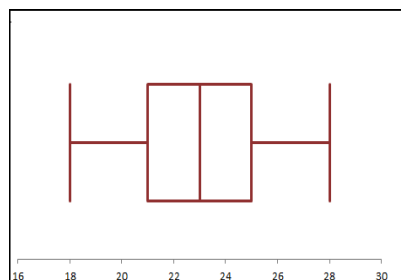
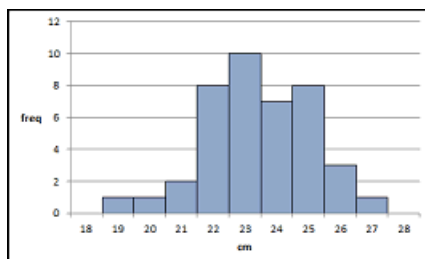


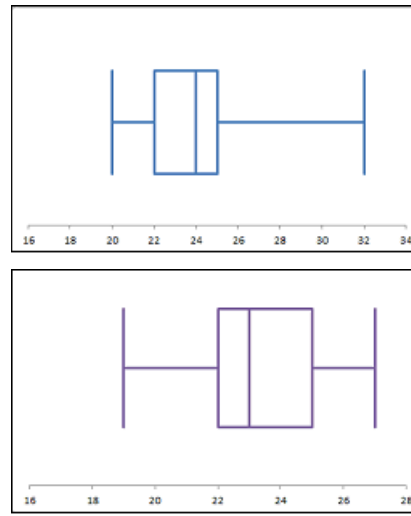
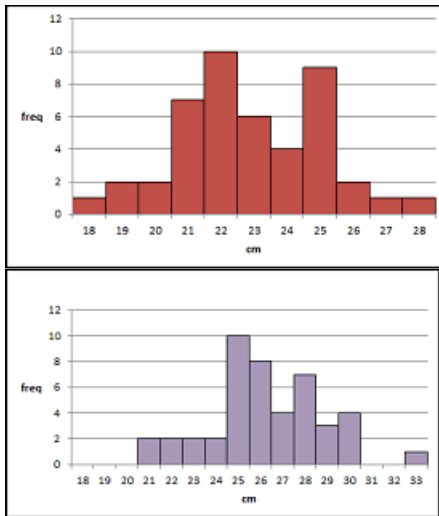
CaSQ 37 – Comparing Data Displays of Foot Length

You can download this activity as a rich text file (RTF) using the link at the bottom of the page.

Task One:

The following charts show the foot lengths of boys or girls in years 6 and 9. Draw a line to match each histogram with its box and whisker plot.





Task Two:

Show with a tick whether each statistical characteristic is indicated in the display.

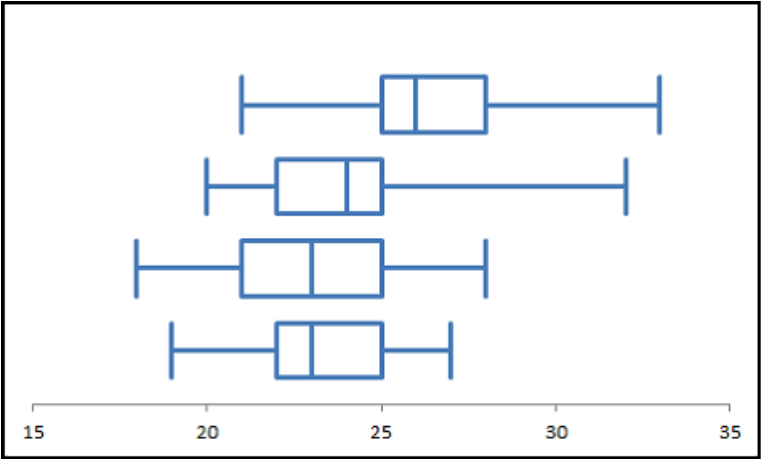
Characteristics	Histogram (non grouped data)	Box and Whisker Plot
Minimum		
Maximum		
Mean		
Median		
Mode		
Range		
IQR		
Possible Outliers		
Skew		
Number of values		

What difference would it make if the histogram used grouped data?

Task Three:

Label the box and whisker plots below with year level and sex. For some hints you will need to refer to data in the histograms.

Hints: The modal foot length for year 9 boys is 25cm.
More year 9 girls were in the lower range than higher range (positive skew).
Year 6 girls did not have the smallest range.



Write a short description of how foot length changes from Year 6 to Year 9.

Download the full activity:

RTF

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